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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet

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Complete If Known

Application Number	10/770,353
Filing Date	02/02/2004
First Named Inventor	Ganapathy Krishnan
Art Unit	3621
Examiner Name	John M. Winter

Attorney Docket Number 35040.001C4

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- 3,996,449	12/07/1976	Attanasio et al.	
		US- 4,104,721	01/01/1978	Markstein et al.	
		US- 4,120,030	10/10/1978	Johnstone	
		US- 4,168,396	09/18/1979	Best	
		US- 4,183,085	01/08/1980	Roberts et al.	
		US- 4,246,638	01/20/1981	Thomas	
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		US- 4,523,271	06/11/1985	Levien	
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		US- 4,558,176	12/10/1985	Arnold et al.	
		US- 4,562,305	12/31/1985	Gaffney, Jr.	
		US- 4,562,306	12/31/1985	Chou et al.	
		US- 4,577,289	03/18/1986	Comerford et al.	
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		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				

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On		US- 4,621,321	11/04/1986	Boebert et al.	
		US- 4,621,334	11/04/1986	Garcia	
		US- 4,633,388	12/30/1986	Chiu	
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OM		US- 5,497,421	03/05/1996	Kaufman et al.	
		US- 5,537,314	07/16/1996	Kanter	
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		US- 6,059,838	05/09/2000	Fraley et al.	

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		Number-Kind Code ² (if known)			
CJW		US- 6,067,582	05/23/2000	Smith et al.	
		US- 6,108,784	08/22/2000	Seidensticker, Jr.	
		US- 6,145,056	11/07/2000	Heydon et al.	
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		US- 4,471,216	09/11/1984	Herve	
		US- 4,513,174	04/23/1985	Herman	

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CM		US- 4,523,271	06/11/1985	Levien	
		US- 4,525,599	06/25/1985	Curran et al.	
		US- 4,558,176	12/10/1985	Arnold et al.	
		US- 4,562,305	12/31/1985	Gaffney, Jr.	
		US- 4,562,306	12/31/1985	Chou et al.	
		US- 4,577,289	03/18/1986	Comerford et al.	
		US- 4,598,288	07/01/1986	Yarbrough et al.	
		US- 4,599,489	07/08/1986	Cargile	
		US- 4,609,777	09/02/1986	Cargile	
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		US- 4,621,321	11/04/1986	Boebert et al.	
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		US- 4,644,493	02/17/1987	Chandra et al.	
		US- 4,866,769	09/12/1989	Karp	
		US- 5,014,234	05/07/1991	Edwards, Jr.	
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		US- 4,995,082	02/19/1991	Schnorr	

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		WO 98/58306 A1	12/23/1998	TECHWAVE, INC.		

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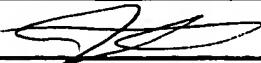
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NON PATENT LITERATURE DOCUMENTS

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On		PAREKH, Michael K., et al., "RealNetworks, Inc., Leading Media Delivery for the Digital Age," January 31, 2000	
		TANENBAUM, Andrew S., "OPERATING SYSTEMS; DESIGN AND IMPLEMENTATION," 1987 by Prentice-Hall, Inc.	
		DATE, C.J., "An Introduction to Database Systems," Volume 1, 1986	
		"RSA ships Certificate Issuing System 1.1," January 12, 1994.	
		KAHN, Robert et al., "A Framework for Distributed Digital Object Services," May 13, 1995,	
		DINI, Gianluca et al., "A Replicated File System for Wide-Area Networks,"	
		AMMANN, Paul E., et al., "One-Representative Safety Analysis in the Non-Monotonic Transform Model," 1994	
		SANDHU, Ravi S., et al., "On Testing for Absence of Rights in Access Control Models," June 14, 1994	
		ZURKO, Mary Ellen, et al., "Attribute Support for Inter-Domain Use," June 15, 1993	
✓		SANDHU, Ravi et al., "A Secure Kernelized Architecture for Multilevel Object-Oriented Databases," IEEE June 16, 1992	

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CM		PICCIOTTO, Jeffrey et al., "Extended labeling policies for enhanced application support," IEEE, June 18, 1991	
		BORN, Eike et al., "Discretionary access control by means of usage conditions," Computers & Security, Vo. 13, No 5, 1994	
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✓		CALAS, Christel, " GDoM a multilevel document manager," Computer Security ESORICS, Nov. 7, 1994	

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				Application Number	10/770,353
				Filing Date	02/02/2004
				First Named Inventor	Ganapathy Krishnan
				Art Unit	3621
				Examiner Name	John M. Winter
Sheet	8	of	30	Attorney Docket Number	35040.001C4

NON PATENT LITERATURE DOCUMENTS						
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.				T ²
QY		RUSSELL, S., "Planning for the EDI of Tomorrow Using Electronic Document Authorization," Computer Security, ESORICS 92, Nov. 23, 1992				
		LIN, Ping., "The Encapsulated Security Services Interface (ESSI)," Computer Security, May 12, 1993				
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		SEBES, E. John, et al., "The Triad System: the Design of a Distributed, Real-Time, Trusted System," Computer Security, Sept. 1, 1984				
		SEBES, John E., et al., "The Architecture of Triad: A Distributed, Real-Time, Trusted System," downloaded from Internet Jan. 22, 1998				
		WONG, Raymond, et al., "The SDOS System: A Secure Distributed Operating System Prototype," U.S. Air Force				
		SEBES, John E., "Overview of the Architecture of Distributed Trusted Mach," Mach Symposium				
		BENZEL, Terry C. Vickers, et al., "Identification of Subjects and Objects in a Trusted Extensible Client Server Architecture,"				
✓		BORENSTEIN, Nathaniel Borenstein, et al., "MIME Extensions for Mail-enabled Applications: application/Safe-Tcl and multipart/enabled-mail, November 1993				

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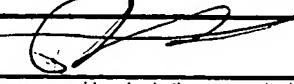
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OM		HARRIS, Jed, et al., "Bento Specification," Apple Computer, Inc., July 15, 1993	
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		BELLARE, Mihir, et al., "iKP-A Family of Secure Electronic Payment Protocols," April 16, 1995	
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		SHAMIR, Adi, "How to Share a Secret," MIT, Vol. 22, No. 11, November 1979	
		MERKLE, Ralph C., "Secure Communications Over Insecure Channels," University of California, Berkeley, Vo. 21, No. 4, April 1978	
✓		DENNING, Dorothy E., "Secure Personal Computing in an Insecure Network," Purdue University, Vo. 22, No. 8 August 1979	

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Q		HAUSER, Ralf C., "Does Licensing Require New Access Control Techniques?", August 12, 1993			
		NEUMAN, B. Clifford, et al., " Requirements for Network Payment: The NetCheque Perspective," USC, March 1995			
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		CHAUM, David, "Achieving Electronic Privacy," Sci American, Aug. 1992			
✓		"OLE 2 Programmer's Reference, Vol. 1, 1994			

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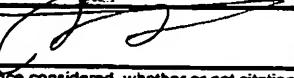
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QW		OLIVER, M.S. et al., "Building a Secure Database Using Self-Protecting Objects," Computers & Security, Vol. 11, No. 3, 1992		
		THURAISSINGHAM, M.B., "Mandatory Security in Object-Oriented Database Systems," The MITRE Corporation, October 1, 1989		
		CHAUM, David, "Security without Identification: Transaction Systems to Make Big Brother Obsolete," Communications of the ACM, Vo. 28, No. 10 Oct. 1985		
		LAMPSON, Butler W., "Computer Security," Digital Equipment Corp.		
		SCHNEIER, Bruce, "RSA Data Security Conference," RSA Data Security Conference, January 18, 1994		
		WALKER, Stephen., "Notes from RSA Data Security Conference," January 18, 1994		
		"iPower's Data Security Approach," RSA Security, January 12, 1994		
		"General Magic Picks RSA," RSA Security, January 12, 1994		
		"Enterprise Solutions Announces RSA Mail," RSA Security, January 12, 1994		
		"Hewlett-Packard Chooses RSA," RSA Security, January 12, 1994		

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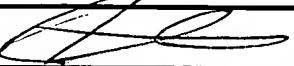
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Application Number	10/770,353
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<i>Ch</i>		"Higraeve Ships Secure Version of HyperACCESS/5," RSA Security, January 12, 1994	
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		THOMPSON, Ken., "Reflections on Trusting Trust," Communication of the ACM, Vol. 27, No. 8, August 1984	
		BERTINO, Elisa, "Data Hiding and Security in Object-Oriented Databases," IEEE, 1992	

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<i>M</i>		TANNENBAUM, Todd, "Netscape Surfs the WorldWide Web Better Than Mosaic," Network Computing	
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		NYANCHAMA, Matunda et al., "Access Rights Administration in Role-Based Security Systems," Database Security VIII: Status & Prospects, August, 1994.	
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<i>V</i>		SLOMAN, Morris, et al., "Managing Distributed Systems," Domino: A1/IC/1.2, Sept. 25, 1989	

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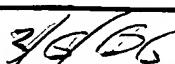
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		KAPLAN, Marc A., "IBM Cryptolopes, Super Distribution and Digital Rights Management," Dec. 30, 1996	
		National Information Systems Security (INFOSEC) Glossary, Sept. 2000	

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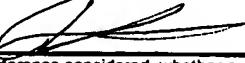
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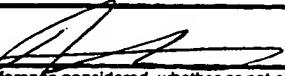
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Application Number	10/770,353
Sheet	17	of	30	Filing Date	02/02/2004
				First Named Inventor	Ganapathy Krishnan
				Art Unit	3621
				Examiner Name	John M. Winter
				Attorney Docket Number	35040.001C4

NON PATENT LITERATURE DOCUMENTS				
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<i>Y</i>		BALDWIN, Robert W., "Naming and Grouping Privileges to Simplify Security Management in Large Databases," IEEE May 7, 1990		
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<i>V</i>		LIPSON, Steve, "Little black box 'blocks' illicit software copying"		

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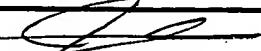
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<i>Ch</i>		ESKICIÖGLU, Almet M., et al., "An overview of multimedia content protection in consumer electronics devices," Purdue University,			
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<i>V</i>		LAMB, et al., "The Objectstore Database System," Oct. 1991			

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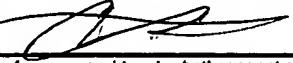
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Art Unit	3621
Examiner Name	John M. Winter

Sheet 19 of 30

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CY		GRAUBARI, Richard, "A Comparison of Three Secure KBMS Architectures," DATABASE SECURITY, 1990	
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G		ARNEKE, David et al., "AT&T encryption system protects information services," AT&T, January 9, 1995	
		Department of Defense Standard, "Department of Defense Trusted Computer system Evaluation Criteria," Dec. 26, 1995	
		Neuman, B. Clifford, "Proxy-Based Authorization and Accounting for Distributed Systems," 13th International Conference on Distributed Computing Systems, May 1993	
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		BIRRELL, Andrew D., "A Global Authentication Service without Global Trust," Digital Equipment Corporation, IEEE April 1986	
		GASSER, Morrie, et al., "The Digital Distributed System Security Architecture," Digital Equipment Corp., National Computer Security Conf. 1989	
		ABADI, M., "Authentication and Delegation with Smart-cards," Digital Equipment Corporation	
		Coalition for Networked Information, Nov. 21, 1991	
		ZELEZNIK, Michael P., "Security Design in Distributed Computing Application," Dec. 1993	
		THOMAS, Roshan K., "Implementing the Message Filter Object-Oriented Security Model without Trusted Subjects," George Mason University, Aug. 19, 1992	

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21		SANDHU, Ravi, S., et al., "A Secure Kernelized Architecture for Multilevel Object-Oriented Databases," IEEE, June 1991	
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		YOUNG, William, D., "Verifiable Computer Security and Hardware: Issues," Comutational Logice Inc., Sept. 1991	

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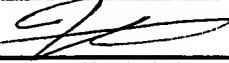
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SN		FEIERTAG, Richard J., et al., "The foundations of a provably secure operating system (PSOS), SRI International, AFIPS Press, 1979	
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✓		STAMOS, James W., et al., "Remote Evaluation," ACM Transactions on Programming Languages and Systems, Vol. 12, No. 4, Oct. 1990	

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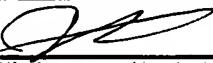
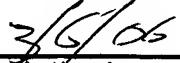
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Q		WOLFSON, C. David, et al., "Intelligent Routers," Siemens Corporation, IEEE 1989	
		JUL, Eric, et al., "Fine-Grained Mobility in the Emerald System," University of Washington, ACM Transactions on Computer systems, Vol. 6, No. 1, Feb. 1988	
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V		BERNERS-LEE, T.J., et al., "The world-wide web," Science Pub., 1992	

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V		LISKOV, Barbara, et al, "Theta Reference Manual," MIT, Feb. 8, 1995	

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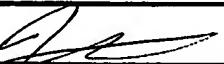
Application Number	10/770,353
Filing Date	02/02/2004
First Named Inventor	Ganapathy Krishnan
Art Unit	3621
Examiner Name	John M. Winter

Attorney Docket Number

35040.001C4

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
Q		WAYNER, Peter., "Disappearing Cryptography," AP Professional 1996	
		SINGH, Simon, "The Code Book, The Science of Screcy from Ancient Egypt to Quantum Cryptography" Anchor Books, 1999	
		BROWN, George, W., et al., "EDUNET: Report of the Summer Study on Information Networks," John Wiley & Sons, 1967	
		KAHN, David, "The Codebreakers: The Story of Secret Writing," The Macmillan Company, 1967	
		COX, Brad, "Superdistribution," Addison-Wesley Publishing Company, 1996	
		COHEN, Frederick B., "Protection and Security on the Information Superhighway," 1998	
		DEAVOURS, Cipher A., et al., "Selections from Cryptologia, History, People, and Technology," Artech House	
		DEAVOURS, et al., "Cryptology: Machines, History & Methods," Artech House, 1989	
		BLAZE, Matt, "A Cryptographic File System for Unix," AT&T Bell Laboratories, Nov. 3, 1993.	
		FERRAIOLI, David, "Role-Based Access Control," Computer Security Conf. 1992	

Examiner Signature		Date Considered	3/6/06
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<i>CM</i>		HARDY, Norman, "The Keyko Architecture," Key Logic, Sept. 1985	
		MILLER, S.P., et al., "Kerberos Authentication and Authorization System," MIT, Oct. 27, 1988	
		"OpenDoc vs. OLE 2.0: Superior by Design, (A Developer's View), Jan. 1994	
		BLAZE, Matt, et al., "Decentralized Trush Management," AT&T Research, IEEE, May 1996	
		"SKIPJACK and KEA Algortihm Specifications," Version 2.0, May 29, 1998	
		DENNING, Dorothy, E., et al., "KEY ESCROWING TODAY," Georgetown University, 1994	
		BRICKELL, Ernest F., et al., "The SKIPJACK Algorithm," BBN Communications Corp., July 28, 1993	
		BLAZE, Matt., "Key Managemnt in Encrypting File System," AT&T Bell Laboratories	
		WOO, Thomas Y.C., et al., "A Framework for Distributed Authorization," University of Texas at Austin, Nov. 1993	
		ROBINSON, D. et al., "Encoding Header Field for Internet Messages," Prime Computer, Inc., April 1990	

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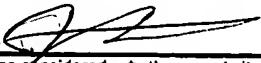
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Application Number	10/770,353
Filing Date	02/02/2004
First Named Inventor	Ganapathy Krishnan
Art Unit	3621
Examiner Name	John M. Winter
Attorney Docket Number	35040.001C4

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CJ		Rose, M., et al., "Structure and Identification of Management Information for TCP/IP-based Internets," Hughes LAN Systems, May 1990	
		DAVIN, J., et al., "SNMP Administrative Model," MIT, July 1992	
		GALVIN, J., et al., "SNMP Security Protocols," MIT, July 1992	
		MCCLOGHRIE, K., et al., "Definitions of Managed Objects for Administration of SNMP Parties," Hughes LAN Systems, Inc. July 1992	
		MCCLOGHRIE, K., et al., "Management Information Base for Network Management of TCP/IP-based Internets, Hughes LAN Systems, May 1990	
		CASE, J., "A Simple Network Management Protocol," SNMP Research, May 1990	
		COLLBERG, Christian S., et al., "Watermarking, Tamper-Proofing, and Obfuscation - Tools for Software Protection," University of AZ., Feb. 10, 2000	
		WOLFE, David, "The BBS Construction Kit," Katherine Schowalter, 1994	
		SHEFSKI, William, J., "Free Electronic Networks," Prima Computer Books, 1994	
V		KROL, Ed., "The Whole Internet User's Guide & Catalog," Sept. 1992	

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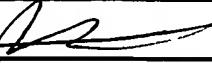
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		Filing Date	02/02/2004
		First Named Inventor	Ganapathy Krishnan
		Art Unit	3621
Examiner Name	John M. Winter		
Sheet 28	of 30	Attorney Docket Number	35040.001C4

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<i>WJ</i>		WINSLOW, Ron, "For Software Firms, Question is how to cope with Piracy," The Wall Street Journal, April 12, 1985	
		SIMMONS, Gustavus J., "How to Selectively Broadcast a Secret," Sandia National Laboratories, IEEE 1985	
		PURDY, George B. et al., "A software Protection Scheme," IEEE, 1982	
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		RASHID, Richard F., "CMU Computer Science A 25th Anniversary Commemorative," Carnegie Mellon University, 1991	
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		"Label Based Protection for Multi-User Information Systems," Federal Criteria for IT Security, December 1992	
		IOANNIDIS, John, et al., "The Architecture and Implementation of Network-Layer Security Under Unix," Columbia University	
<i>WJ</i>		HANSEN, Stephen E., "automated system Monitoring and Notification with Swatch," Nov. 1, 1993	

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		HALLER, Neil M., "The S/Key One-Time Password System," Bellcore	
		Varadhan, Kannan, "OARnet Security Procedures," OARnet, Spet. 15, 1992	
		BELLOVIN, Steven M. et al., "Augmented Encrypted key Exchange: a Password-Based Protocol Secure Against Dictionary Attacks and Pasword File Compromise," Bell Labs	
		BELLOVIN, Steven M., et al., "Encrypted Key Exhcange: Password-Based Protocols Secure Against Dictionary Attacks," IEEE, May 1992	
		HARMON, Amy, "Piracy, or Innovation? It's Hollywood vs. High Tech," NY Times, March 14, 2002	
		BRANDS, Stefan., "Untraceable Off-Line Cash in Wallets with Observers"	
		WHITE, James, E., "Mobile Agents," Aug. 8, 1995	
		TARDO, Joseph et al., "Mobile Agent Security and Telescript," General Magic, Inc.	
V		KOHL, John., "The Kerberos Network Authentication Service," MIT, June 30, 1991	

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<i>CH</i>		MEYER, Carl H., et al., "Cryptography: A New Dimension in Computer Data Security," 1982	
		MENEZES, Alfred J., "Handbook of Applied Cryptography," 1965	
		PRESS, Larry., "National Information Infrastructures: The Internet and Interactive Television," Conf., on The Electronic Highway, University of Montreal, 1994	
		"Policy and Technology: Partners in Solutions," 19th National Information systems Security Conference, Oct. 22, 1996	
		HALFHILL, Tom R., et al., "Just Like Magic?" February 1994	
		CLARK, Jim, "A TeleComputer," Computer Graphics, Vol. 26, July 2, 1992	

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